AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) A current sense apparatus comprising:
an output stage connected between a high voltage and a low voltage for
producing a phase output current, a mirror current proportional to

the phase output current, and a sense voltage; and

a servo amplifier for converting the mirror current to a current sense signal, the servo amplifier including:

- an operational amplifier having an inverting input connected with the

 mirror current, a non-inverting input connected with the sense

 voltage, and an output; and
- a MOSFET having a source connected with the inverting input of the

 operational amplifier, a gate connected with the output of the

 operational amplifier, and a drain for providing the current sense

 signal.

- 2. (Original) The apparatus of claim 1, wherein the output stage comprises:
 - a phase output node;
 - a common drain DMOSFET connected between the high voltage and phase output node; and
 - a MOSFET connected between the low voltage and phase output node.
- 3. (Original) The apparatus of claim 2, wherein the common drain DMOSFET has a gate, a drain connected to the high voltage, a source connected to the phase output node, a current mirror terminal for providing the mirror current, and a sense terminal for providing the sense voltage.
- 4. (Original) The apparatus of claim 1, wherein the output stage comprises:
 - a phase output node;
 - a MOSFET connected between the high voltage and phase output node; and
 - a common drain DMOSFET connected between the low voltage and

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phase output node.

5. (Original) The apparatus of claim 4, wherein the common drain DMOSFET has a gate, a drain connected to the phase output node, a source connected to the low voltage, a current mirror terminal for providing the mirror current, and a sense terminal for providing the sense voltage.

Claims 6 – 19 (Cancelled).